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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/891,382	06/27/2001	Mikko Olkkonen	4208-4003	2602

7590 10/23/2003

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EXAMINER

TRAN, THIEN D

ART UNIT	PAPER NUMBER
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2665

DATE MAILED: 10/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/891,382

Applicant(s)

OLKKONEN ET AL.

Examiner

Thien D Tran

Art Unit

2665

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-85 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-85 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2, 5</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. Claims 1-85 rejected under 35 U.S.C. 102(e) as being participated by Treyz et al (U.S Patent No. 6,587,835 B1).

Regarding claims 1, 11, 21, 30, 31, 34, 37, 41, 51, 60-63, 74-76, 79, 82, Treyz discloses a method to provide an arriving wireless device which is proximate to a plurality other wireless devices in a plurality of ad hoc networks (col.49 lines 18-25), with a network discovery menu to enable the arriving device to selectively join one of the ad hoc networks (col.49 lines 55-65), comprising:

determining that a wireless device is an ad hoc network information provider member of a local ad hoc network (col.2 lines 1-5, col.21 lines 50-55);

updating a service record in the wireless device which includes a description of a characteristic of the local ad hoc network (col.26 lines 5-15);

determining that the wireless device is an arriving device (col.49 lines 18-25);

searching for remote devices by the wireless device when it is an arriving device (col.32 lines 23-35);

accessing service records from a plurality of ad hoc network information provider devices in a plurality of remote ad hoc networks, by the wireless device when it is an arriving device (col.35 lines 25-40); and

forming a network discovery menu including a plurality of descriptions of characteristics of the plurality of ad hoc networks derived from said accessed service records, by the wireless device when it is an arriving device (col.36 lines 20-35).

Regarding claims 2, 12, 42, 64, Treyz discloses a selectively searching for remote devices having a specified class of device characteristic. See col.33 lines 5-15.

Regarding claims 3, 13, 43, 65, Treyz discloses a selectively searching for remote devices having a specified service class. See col.33 lines 5-15.

Regarding claims 4, 14, 44, 66, Treyz discloses a selectively searching for remote devices having a specified service attribute. See col.30 lines 5-25.

Regarding claims 5, 15, 45, 67, Treyz discloses a determining received signal characteristics of devices in said remote ad hoc networks, by the wireless device when it is an arriving device; and

ranking said plurality of descriptions in said network discovery menu according to said signal characteristics, by the wireless device when it is an arriving device. See col.32 lines 40-65.

Regarding claims 6, 16, 46, 68, Treyz discloses associating with each of said plurality of descriptions in said network discovery menu, corresponding information about accessing each respective remote ad hoc network. See figure 91.

Regarding claims 7, 17, 47, 69, Treyz discloses determining that the wireless device is a service provider node (master device) in said local ad hoc network; and forwarding new data to an ad hoc network information provider device in said local ad hoc network. See figure col.14 lines 30-35.

Regarding claims 8, 18, 48, 70, Treyz discloses determining that the wireless device is not an ad hoc network information provider device in said local ad hoc network, and sending updated information to a master device in the local ad hoc network to be forwarded to an ad hoc network information provider device in the ad hoc network. See col.14 lines 10-50.

Regarding claims 9, 19, 49, 71, Treyz discloses a method further comprises: determining that the wireless device is not an ad hoc network information provider device in said local ad hoc network; and responding to an inquiry from an arriving device by providing information to access an ad hoc network information provider device in the local ad hoc network. See col.17 lines 25-40.

Regarding claims 10, 20, 50, 72, Treyz discloses the method further comprises: displaying the network discovery menu, by the wireless device when it is an arriving device; associating with each of said plurality of descriptions in said network discovery menu, corresponding information about accessing a master device in each respective remote ad hoc network;

paging a master device corresponding to a selected one of said plurality of descriptions; and joining the respective remote ad hoc network of said paged master device. See col.21 lines 40-60.

Regarding claims 22, 27, 33, 35, 39, 52, 57, 73, 78, 80, 84, Treyz discloses that the wireless devices use a IEEE Wireless LAN standard. See col.15 lines 25-30.

Regarding claims 23, 32, 38, 77, 83, Treyz discloses that the wireless devices use the Bluetooth standard. See col.13 line 30.

Regarding claims 24, 53, 54, Treyz discloses that the wireless devices use the Infrared Data Association (IrDA) standard. See col.27 lines 5-65.

Regarding claims 25, 55, Treyz discloses that the wireless devices use the Digital Enhanced Cordless Telecommunications standard. See col.21 lines 50-53.

Regarding claims 26, 56, Treyz discloses that the wireless devices use the Shared Wireless Access Protocol standard. See col.23 lines 45-60.

Regarding claims 28, 36, 40, 58, 81, 85, Treyz discloses that the wireless devices use the High Performance Radio Local Area Network standard. See col.24 lines 30-45.

Regarding claims 29, 59, Treyz discloses that the wireless devices use the Multimedia Mobile Access Communication Systems standard. See col.15 lines 50-60.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

-Tillgren et al (US Patent No. 6,611,259 B1) discloses system and method for operating an electronic reading device user interface.

-Hild et al (US Patent No. 6,532,368 B1) discloses service advertisements in wireless local networks.

-Lunsford et al (US Patent No. 6,614,350 B1) discloses method and system for effecting a security system upon multiple portable information devices.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (703) 308-4388. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (703) 308-6602. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Thien Tran



**ALPUS H. HSU
PRIMARY EXAMINER**